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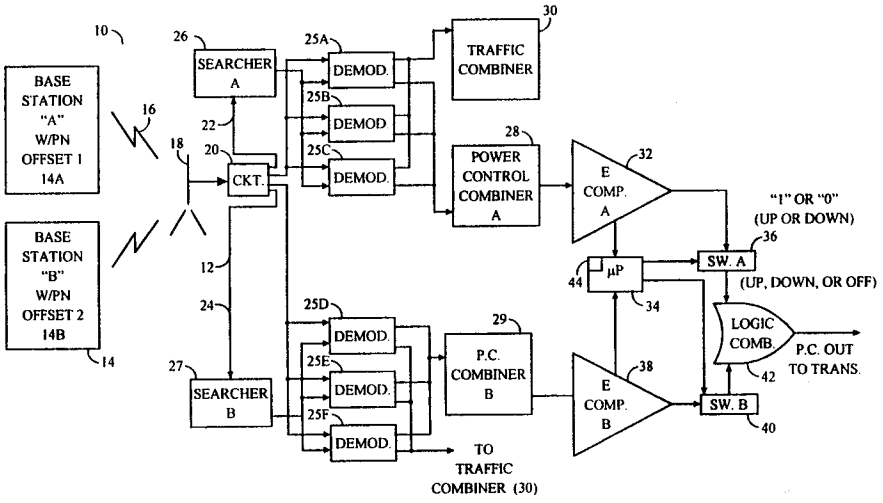

(57) Abstract

The transmitted power of a mobile telephone (12) is established by power control bits that are transmitted in a traffic channel from a base station (14A, 14B) and that are demodulated by a rake receiver (22, 24) in the telephone. The rake receiver includes a plurality of demodulators (25a to 25f) that demodulate respective fingers of the traffic channel which may be caused by multipath conditions, with the power control bits from each demodulator being combined with the power control bits of the other demodulators in the rake receiver regardless of whether the demodulators (25a to 25f) are in lock with their respective fingers. The combined power control signal from a rake receiver (22, 24) associated with a first base station (14A, 14B) is then tested against a threshold. If the combined power is at least equal to the threshold, the combined power control signal is sent to a logic combiner (42). If other base stations are communicating with the mobile telephone, the combined power control signal from each of these other base stations is also sent to the logic combiner (42). If any power control signal commands the mobile telephone to decrease its transmitted power, it does so; otherwise, it increases its transmitted power. Alternatively, the power control bits from each demodulator in a rake receiver (22, 24) can be blocked if the finger energy falls below a threshold that depends on the number of fingers from the associated base station.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 95 08901 A (NOKIA TELECOMMUNICATIONS OY ;JOLMA PETRI (FI); UOLA RISTO (FI)) 30 March 1995	11
A	see abstract see page 1, line 5-17 see page 2, line 16 - page 3-30 see page 4, line 20 - page 5, line 16 see page 7, line 19-26 see page 8, line 27 - page 9, line 25 see figures see claims	1-10, 12-35
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[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Dejonghe, O

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Int. ational Application No
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A	EP 0 671 819 A (ROKE MANOR RESEARCH) 13 September 1995 see abstract see column 1, line 1-46 see column 2, line 16-47 see column 4, line 6-56 see figure 3 see claims 1,3,4,7	1-35
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